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| Application N . | Applicant(s)       |
|-----------------|--------------------|
| 09/774,735      | POPOV, VLADIMIR E. |
| Examiner        | Art Unit           |
| Minh D A        | 2821               |

| √ | Rejected |
|---|----------|
| = | Allowed  |

| 1 | (Thr ugh numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | N n-Elect d  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|                  |  |  |  |          |              |  | ,            |          | Ь                                   |                |  |  |
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| Cla              | aim                                    | Date   |  |          |              |  |              |          |                                     |                |  |  |
| Final            | Original                               | 5/13/04  |  |          |              |  |              | _        |                                     |                |  |  |
| 1                | l .                                    | =  |  |          | _            | _  | _            |          |                                     |                |  |  |
|                  | 2                                      | ╘  | -  | $\vdash$ | $\vdash$     |  | ┢            |          |                                     |                |  |  |
| 3                | 3                                      | =  | $\vdash$   | $\vdash$ | $\vdash$     | H  |              |          |                                     |                |  |  |
| <u> </u>         | 4                                      | ╘  | <del>                                     </del> | H        |              | <del>                                     </del> | $\vdash$     |          |                                     | Н              |  |  |
| 2<br>3<br>4<br>5 | 1<br>2<br>3<br>4<br>5                  | =  | <del> </del>                                     |          |              | $\vdash$   | -            | _        | _                                   | Н              |  |  |
| 6                | 6                                      | ┢  | -  | $\vdash$ | $\vdash$     | -  | $\vdash$     |          |                                     | Н              |  |  |
| 7                | 7                                      | ╘  | ┢  |          |              |  | -            | $\vdash$ | _                                   |                |  |  |
| 8                | 8                                      | =  |  | ┢        | $\vdash$     |  |              | _        |                                     | Н              |  |  |
| 9                | 9                                      | =  |  |          |              |  | I            |          |                                     | П              |  |  |
| 10               |  | =  |  |          |              |  | İ            |          |                                     |                |  |  |
| 11               | 11                                     | =  |  | T -      |              |  |              |          |                                     |                |  |  |
| 12               | 12                                     | =  |  |          |              |  |              |          |                                     |                |  |  |
| 13               | 13                                     | =  |  |          |              |  |              |          |                                     |                |  |  |
|                  | 10<br>11<br>12<br>13<br>14<br>15<br>16 |  |  |          |              |  | 匚            |          |                                     |                |  |  |
|                  | 15                                     |  |  |          | 匚            |  |              |          |                                     | Ш              |  |  |
|                  | 16                                     | <u> </u>   | <u> </u>   |          |              | 匚  | <u> </u>     | L        | ļ                                   | Ш              |  |  |
| <u></u>          | 17                                     |  |  | L        | _            | <u> </u>   |              |          | L                                   | L              |  |  |
|                  | 18<br>19                               | _  |  | <u> </u> |              | <u> </u>   |              | _        | _                                   | Ш              |  |  |
| L                | 19                                     | _  |  | <u> </u> | <u> </u>     | L  | _            | _        |                                     | Щ              |  |  |
| ļ                | 20                                     | ļ  | <u> </u>   | <u> </u> | <u> </u>     |  |              | _        | _                                   | Ш              |  |  |
|                  | 21                                     | _  | <u> </u>   |          | <u> </u>     | <u> </u>   | <u> </u>     | <u> </u> | L                                   | Н              |  |  |
| <u> </u>         | 21<br>22<br>23                         | -  |  | $\vdash$ | $\vdash$     | -  | -            |          |                                     | Н              |  |  |
|                  | 24                                     | ┝  | ┝  |          | ├            | $\vdash$   | $\vdash$     |          |                                     | $\vdash\vdash$ |  |  |
|                  | 24<br>25                               | ┢  | $\vdash$   | $\vdash$ | -            |  |              | $\vdash$ | _                                   | $\vdash$       |  |  |
|                  | 26                                     | <del>                                     </del> | $\vdash$   | <u> </u> | -            |  |              | _        |                                     |                |  |  |
|                  | 27                                     |  |  |          | Г            |  |              |          |                                     |                |  |  |
|                  | 27<br>28                               | _  |  |          |              |  |              |          |                                     |                |  |  |
|                  | 29<br>30                               |  |  |          |              |  |              |          |                                     |                |  |  |
|                  | 30                                     |  |  |          | L            |  |              |          |                                     | Ш              |  |  |
|                  | 31                                     | _  |  | L        | _            | _  | _            |          |                                     |                |  |  |
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| <u> </u>         | 33                                     | ┞  | <u> </u>   | <u> </u> | <u> </u>     | <del> </del>                                     | <del> </del> | _        | ┡                                   | $\sqcup$       |  |  |
| <u> </u>         | 34                                     | ├  | <u> </u>   | $\vdash$ | <u> </u>     | -  | <u> </u>     |          | ├                                   | $\vdash$       |  |  |
| <u> </u>         | 35<br>36                               | ├-   |  |          | $\vdash$     | -  | $\vdash$     | <u> </u> | ┝                                   | $\vdash\vdash$ |  |  |
|                  | 37                                     | ⊢  | -  |          | $\vdash$     | -  | -            | _        | $\vdash$                            |                |  |  |
| <u> </u>         | 38                                     | ┢  | -  | $\vdash$ |              | $\vdash$   | $\vdash$     |          | $\vdash$                            | $\vdash$       |  |  |
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|                  | 40                                     | <del>                                     </del> | $\vdash$   | $\vdash$ |              | -  | $\vdash$     |          | Г                                   | $\vdash$       |  |  |
|                  | 41                                     |  | Г  | Т        |              | Г  | Г            |          | Г                                   | П              |  |  |
|                  | 42                                     | Π  |  |          |              |  |              |          |                                     |                |  |  |
|                  | 43                                     |  |  |          |              |  |              |          |                                     |                |  |  |
|                  | 44                                     |  |  |          |              |  | 匚            |          | 匚                                   |                |  |  |
|                  | 45                                     |  |  |          |              | _  | <u> </u>     |          | L                                   | Ш              |  |  |
|                  | 46                                     |  |  | _        | L            | L  | <u> </u>     |          | oxdot                               | Ш              |  |  |
|                  | 47                                     |  |  | <u> </u> | L_           |  | <u> </u>     |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Щ              |  |  |
|                  | 48                                     | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | <u> </u> | _            | ļ  | <u> </u>     | _        | oxdot                               | Ш              |  |  |
| <u> </u>         | 49                                     | <b> </b>   | <u> </u>   |          | _            | $\vdash$   | <u> </u>     | _        | <u> </u>                            | Ш              |  |  |
| L                | 50                                     | l  |  | l        |              |  |              |          |                                     |                |  |  |

| Cla          | aim                                    | Ī            |          |          | [                                   | Date     |          |          | _  |  |
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| ਲ            | Original                               |              |          |          |                                     |          |          |          |  |  |
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| ш.           | õ                                      |              |          |          |                                     | ŀ        |          |          |  |  |
|              |  | <u> </u>     |          | ⊢        | <u> </u>                            | <u> </u> | -        | ├        | <u> </u>   | -  |
|              | 51                                     | ļ            |          | <u> </u> | <u> </u>                            | _        | <u> </u> | -        | <u> </u>   |  |
|              | 52                                     |              |          | _        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          |          | _        | <u> </u>   |  |
|              | 53                                     |              |          |          |                                     |          |          |          | <u> </u>   |  |
|              | 51<br>52<br>53<br>54                   |              |          |          |                                     |          |          |          |  |  |
|              | 55                                     |              |          |          |                                     |          |          |          |  |  |
|              | 56<br>57                               |              |          |          |                                     | Г        |          |          |  |  |
|              | 57                                     | _            | -        | $\vdash$ |                                     |          |          |          |  |  |
|              | 58                                     |              | _        | ┪        | Т                                   |          |          | _        |  |  |
|              | 59                                     | _            |          | -        | $\vdash$                            | _        | ┢╾       | _        | $\vdash$   | $\vdash$   |
| <b></b>      | 60                                     | -            |          | ┢        | ┢                                   | -        | $\vdash$ | ┝        | -  | _  |
| <b></b> -    | 64                                     | <u> </u>     |          |          | ┝                                   |          | ⊢        | ├        | -  | _  |
| <b>⊢</b>     | 61                                     | ⊢–           | <b>—</b> | -        | $\vdash$                            | <u> </u> | $\vdash$ | -        | $\vdash$   | $\vdash$   |
| <u> </u>     | 62<br>63                               | <u> </u>     | <b> </b> | ⊢        | <u> </u>                            | <u> </u> | <u> </u> | _        | <del> </del>   | $\vdash$   |
|              | 63                                     | <u> </u>     | ļ        | _        | <u> </u>                            | L.       | <u> </u> | <b> </b> | <u> </u>   | <u> </u>   |
| <u> </u>     | 64<br>65                               | _            | <u> </u> | _        | <u> </u>                            | L_       | <u> </u> |          | oxdot  | L  |
|              | 65                                     | L            | L        |          | $oxedsymbol{oxed}$                  | L        | <u> </u> | L        | 匚  | $ldsymbol{f eta}$                                |
|              | 66                                     |              | L        |          | L                                   | L        |          | L.       |  | L  |
|              | 67<br>68                               |              |          |          |                                     |          |          |          |  |  |
|              | 68                                     |              |          | Г        |                                     |          |          |          |  |  |
|              | 69                                     |              |          |          |                                     | -        |          |          | ┢  |  |
|              | 70                                     |              |          | -        | $\vdash$                            |          | $\vdash$ | $\vdash$ | $\vdash$   | Н  |
|              | 71                                     | -            |          | H        | ┢╾                                  | _        | -        | -        | $\vdash$   | $\vdash$   |
| <b></b>      | 70<br>71<br>72<br>73<br>74<br>75<br>76 |              |          | -        | $\vdash$                            |          |          | ┢        | ┝  |  |
|              | 72                                     | $\vdash$     | $\vdash$ | -        | $\vdash$                            |          | ⊢        | _        | ┝  | -  |
|              | 73                                     |              | _        | $\vdash$ | <u> </u>                            |          | ┝        | -        | ┝  | -  |
|              | 74                                     | <u> </u>     | _        | _        | _                                   |          | ├—       | <u> </u> | <u> </u>   | -  |
|              | 75                                     | _            |          |          | $\vdash$                            |          | <u> </u> | <u> </u> | <u> </u>   | _  |
|              | 76                                     | _            |          | _        | _                                   |          | <u> </u> | _        | ļ  | _  |
|              | //                                     | _            | _        | _        |                                     |          | <u> </u> | <u> </u> | <u> </u>   | <u> </u>   |
|              | 78<br>79                               | $oxed{oxed}$ |          |          |                                     |          | _        |          |  |  |
|              | 79                                     |              |          |          |                                     |          | <u> </u> | L        |  |  |
|              | 80                                     |              |          |          |                                     |          |          | L        |  |  |
|              | 81                                     |              |          |          |                                     |          |          |          |  |  |
|              | 81<br>82                               |              |          |          |                                     |          |          |          |  |  |
|              | 83                                     |              |          |          |                                     |          |          |          |  |  |
|              | 84                                     |              |          |          |                                     |          |          |          |  |  |
|              | 85                                     | Г            |          |          |                                     |          |          |          |  |  |
|              | 86                                     |              |          |          |                                     |          |          |          |  |  |
|              | 87                                     |              | <u> </u> | $\vdash$ |                                     | $\vdash$ | $\vdash$ | $\vdash$ | Т  |  |
| $\vdash$     | 88                                     | $\vdash$     | $\vdash$ | $\vdash$ | -                                   | _        | $\vdash$ | Н        | $\vdash$   |  |
| <del> </del> | 89                                     | $\vdash$     | -        | $\vdash$ | -                                   | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$   |
| <del></del>  | 90                                     | $\vdash$     | $\vdash$ | $\vdash$ | -                                   | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$   | <del>                                     </del> |
| <b>—</b>     |  | $\vdash$     |          | $\vdash$ | -                                   | Ь        | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$   |
| <u> </u>     | 91                                     | $\vdash$     | <u> </u> | $\vdash$ |                                     | <u> </u> | $\vdash$ | ⊢        | $\vdash$   | $\vdash$   |
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|              | 93                                     | <u> </u>     | $\vdash$ | <u> </u> |                                     |          | _        | <u> </u> | ļ  | <u> </u>   |
|              | 94                                     | L.,          | L_       | <u> </u> | $oxed{oxed}$                        | $\vdash$ |          | <u> </u> |  | $\vdash$   |
|              | 95                                     |              | L        | L_       |                                     | _        |          |          | $ldsymbol{ld}}}}}}$ |  |
|              | 96                                     |              |          |          |                                     |          | _        |          |  |  |
|              | 97                                     |              |          |          |                                     |          | L        |          |  |  |
|              | 98                                     |              |          |          |                                     |          |          |          |  |  |
|              | 99                                     | $\Box$       |          | Г        |                                     |          |          |          |  |  |
|              | 100                                    | Г            |          |          |                                     |          |          |          |  | $\Box$   |

| Cla      | aim               |          | _ |  | [            | Date     | 9        |          | _        |                |
|----------|-------------------|----------|---|--|--------------|----------|----------|----------|----------|----------------|
| Final    | Original          |          |   |  |              |          |          |          |          |                |
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|          | 102               |          |   |  |              |          |          |          |          |                |
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|          | 104<br>105        |          | _ |  | _            | <u> </u> | ┞        | _        | _        | Ш              |
|          | 105               |          | _ |  | <u> </u>     |          | <u> </u> | <u> </u> | _        | H              |
|          | 106<br>107        | _        | _ |  | -            | -        | ┝        | ├—       | _        | Н              |
|          | 108               |          | _ |  | -            |          | ┢        | $\vdash$ | -        |                |
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|          | 112<br>113        |          |   |  |              |          |          |          |          |                |
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|          | 114               |          | _ | <u> </u>   |              |          | <u> </u> | _        |          |                |
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|          | 139               |          |   |  |              |          |          |          |          |                |
|          | 140               |          |   |  |              |          |          |          |          |                |
|          | 141               |          |   |  |              |          |          |          |          |                |
|          | 142               |          |   | L  |              |          | L        | L        | Щ        | Щ              |
|          | 143               |          |   | _  | H            | _        | L        | _        | _        | Ш              |
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